

Title (en)

Method and device to determine the sharpness of chaff-cutting blades

Title (de)

Verfahren und Anordnung zur Bestimmung der Schärfe von Häckselmessern

Title (fr)

Procédé et méthode pour déterminer l'acuité des lames de hacheuses

Publication

**EP 1386534 B1 20070221 (DE)**

Application

**EP 03016121 A 20030716**

Priority

DE 10235919 A 20020730

Abstract (en)

[origin: EP1386534A1] Process for determining the sharpness of the chopping blades of a chopping device, especially for determining the change in sharpness between at least two time points, comprises measuring at the time points at least one characteristic variable of the operational vibration of a component of the chopping device. The ratio of the vibrating quantities of at least two frequency bands of the measurement signal or their peaks is determined for each measurement. The change in this ratio between the two measurements is evaluated. An independent claim is also included for an arrangement for determining the sharpness of the chopping blades of a chopping device.

IPC 8 full level

**A01F 29/22** (2006.01); **A01F 29/09** (2010.01); **B26D 5/00** (2006.01); **B26D 7/12** (2006.01)

CPC (source: EP US)

**A01F 29/22** (2013.01 - EP US); **B26D 7/12** (2013.01 - EP US)

Cited by

EP2436258A1; CN102577774A; EP3970467A1; CN106198290A; EP2311601A1; EP1862061A1; DE102010021746A1; US11776329B2; EP1862061B1; EP1862061B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

**EP 1386534 A1 20040204**; **EP 1386534 B1 20070221**; AT E354271 T1 20070315; CA 2436052 A1 20040130; CA 2436052 C 20070626; DE 10235919 A1 20040226; DE 10235919 B4 20060209; DE 50306564 D1 20070405; US 2004168528 A1 20040902; US 7024924 B2 20060411

DOCDB simple family (application)

**EP 03016121 A 20030716**; AT 03016121 T 20030716; CA 2436052 A 20030728; DE 10235919 A 20020730; DE 50306564 T 20030716; US 62638203 A 20030724